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MILLIONS DEPEND UPON PROSPERITY OF CAR INDUSTRY

About 2,250,000 People Earn
Living Through Automobile
Activity.

Present prosperity in the automobile business means employment for 2,250,000 people, according to Alfred Reeves Automobile Chamber of Commerce.

At the present time, in addition to the 200,000 men working in the automobile plants, Mr. Reeves says that in addition to the hundreds of thousands of professional chauffeurs and drivers and of retail garage employees, there are about 250,000 accessory factory workers, 150,000 tire dealers and salesmen and thousands more in allied retail trades.

In addition to this, why not include the men who are working for automobile associations, the men who write automobile insurance and so on down the line, whose jobs depend almost entirely on the prosperity of the automobile?

The ramifications of the automobile business extend so far that anything which affects this line in a measure affects almost any other business. As we have told in this column so many times before, the automobile is a necessity we cannot very well do without. It extends even to the schools. According to the United States bureau of education there are 12,000 consolidated schools in the nation and most of these are using motor buses.

What is the automobile worth today as compared to five years ago?

Some statisticians and public men have been giving this much thought recently, and they have decided that the automobile is worth just twice as much as it was a few years ago.

Until four or five years ago, the automobile was not used to any great extent during the winter months. It was the usual custom, following the arrival of the first cold days, to jack up the car, drain the radiator, take out the battery and lay it up for four or five months, or until the arrival of spring.

This practice is a thing of the past. The driver wants a car he can use all the year, and he is getting it. Cold weather and snow have no terrors for the modern motor car, even in the northern sections, where farmers do not hesitate to use their cars on the coldest days.

The driver also does not fail to call upon his car to do whatever he wants and the car usually has the ability to do it. The automobile has improved, and the car of today is better than

ever, despite the fact that now and then you hear the owner of a modern car telling how much better his old boat of an ancient vintage performed than the modern car he is driving.

STRENGTH SHOWN BY SEVERE TEST

Of recent note are the tests conducted by Union Motors, Inc., Maxwell distributors for Southern California, to see for themselves the strength that has been built into the latest series Maxwell models.

"Three thousand people joined in watching the attempt to wreck two of the new cars by smashing the gears and were confident that the cars could not stand the strain of being shifted into reverse gear while going forward at a speed of twenty miles an hour," declared C. A. Doyle, sales manager of the local Maxwell organization. "We ourselves did not know until the trial was completed that the cars would come through, but we were anxious to show ourselves, as well as the motorists, that such a strain could be put to the new series Maxwell."

"Even more daring was the attempt, completed successfully, to climb the steep grade of Quintero street, off Sunset boulevard with the record-breaking load of twenty-five passengers in a new touring car."

ILLINOIS DIRT ROAD TO GET DOUSE OF OIL

Illinois dirt roads, some deep in dust, are going to get an oil bath such as never before was attempted in the state. More than 35 million gallons of oil will be used on these highways this year, according to the present program.

The oil is bought and inspected by the state and distributed to the various counties. The inspection of this great quantity of oil has come to be a formidable problem to the state bureau of tests. Eight inspectors already have been stationed at refineries and others may be assigned before the season is over. The cost of maintaining men at the plants prohibits placing inspectors at all refineries, it is said, although it is the announced intention of the highway department to make plant inspection wherever the quantity to be inspected justifies the expense. In the case of plants shipping small amounts the tests will be made in the laboratory of the department.

Save the Nut
When bolting parts together do not try to make the bolt pull the nut through if the latter sticks. Take a hammer and drive the bolt into place. Otherwise the threads are likely to be ruined.

ROAD BOND ISSUES INDICATE RETURN OF GOOD BUSINESS

Healthy Increase In Sale of
Bonds for Highway Pur-
poses is Reported.

New York, Oct. 3.—That the country has so far returned to a prosperous condition that public bond issues proposed, voted and sold in August 1922, by far exceeded those proposed voted and sold in August, 1921, is shown in statistics just compiled from reports to the Asphalt association, this city. The reports also show conclusively that the construction of public roads, instead of having reached its peak is becoming more extensive in all sections of the country.

Bond issues for road construction reported sold in Aug., 1922 amounted to \$516,631,351, compared with \$15,372,973 for August last year. Bond issues reported as proposed totaled \$59,372,973 compared to the \$56,590,700 reported in August, 1921. Proposed bond issues for August 1922 increased \$48,159,973 over the \$11,213,000 reported in July 1922 and \$48,159,973 over the \$12,882,000 reported in June.

The Asphalt association established its department of economics on August 1, 1921. Its reports show that from that date to August 1, this year a total of \$748,563,000 was reported in road bond issues proposed. Of this amount the sum of \$541,724,780 was actually voted and \$368,966,593 worth of road bonds were sold to finance construction. New Jersey led all the states with \$91,455,000 in bonds proposed. Georgia being second at \$77,040,000 and South Carolina 3rd at \$72,850,000. Pennsylvania, with \$69,039,000, was fourth and Kentucky with \$52,450,000 ranked fifth.

The reports on road bond elections put Missouri first with \$71,782,000 voted. Texas with \$57,534,500, was second and North Carolina, with \$44,308,365, was third. Next in order came Pennsylvania with \$33,964,387 and Alabama with \$38,320,250.

Reports on the sale of bonds showed that North Carolina with \$50,472,850 led all states in the disposal of road bonds, while Texas was second with \$30,023,000. Three states almost tied for third place, Michigan selling \$19,966,125 worth of bonds, Oregon \$19,917,190 worth and West Virginia \$19,741,000.

AUTO INDUSTRY SPEEDING AHEAD

Continued Capacity Production Probable; Little Likelihood of Decline in Trade.

New York, Oct. 4.—For the fourth time this year the automotive industry established a new record in the production of passenger cars and trucks, the output for August being 273,000, an increase of 12 per cent over the previous month and a gain of 53 per cent over August of last year. It closely approached the mark made in June, which thus far has been the banner month in the industry.

In view of the consistently strong demand followed during the preceding month, it would not be surprising if a delayed seasonal falling off in sales came in September which, with the aftermath of the rail and coal strikes, would result in a slight curtailment of manufacturing schedules.

There are many reasons for believing that should a lessened demand come it will be relatively slight. Not the least is the feeling that the agricultural districts, under the impetus of a bumper harvest, will enter the market more aggressively than in the past and become an active purchaser of both passenger cars and trucks.

Improved business conditions, higher wages to labor and the anticipation of good crops have already had their reflection in the demand for motor vehicles. They lead to the conviction that the rest of the year will be normal at least, with a strong probability that it will not fall very far behind the general average for the first eight months. In that period the total production was 1,671,428, as against 1,668,550 for the entire year of 1921.

Carry Extra Oil Can When Making Journey

The prudent motorists will always carry an extra oil can on his trip, empty and clean, ready to be filled with whatever is necessary, gasoline for priming the cylinders or cleaning spark plugs, neatfoot oil for the clutch, kerosene to clean dirt out of corners or oil in the case the other can is lost, is advice which is given by W. F. Seel, of the Lexington-Los Angeles Company, distributors of the Minute Man Six.

Twice around the globe by steam truck without lifting the hood once to adjust any part is the goal of Chicago makers of a new machine.

Jacksonville Start of Marine Boulevard

Jacksonville, Florida, is priding itself on being the starting point for the marine boulevard down the east coast of that State as far as Miami, a distance of 337 miles. This boulevard follows the scenic route of the Florida East Coast Railroad south through St. Augustine, Ormond and Daytona, including the thirty-mile ocean speedway. From Ormond to Miami, 295 miles, the trip is along the Atlantic Ocean and the Halifax and Indian Rivers.

Copper Consumption Will Show Big Gain

New York, Sept. 30.—A survey just completed by the Copper and Brass Research Association is followed by the prediction that automobile manufacturers in the United States will consume approximately 100,000,000 pounds of copper metal this year.

This is an increase of 30,000,000 pounds over 1921 and about 750,000 pounds more than in 1920, when the automobile industry consumed 7.63 per cent of the total copper production in this country. The association finds that the use of copper in automobile

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Name
Occupation
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MCM

construction varies from fifty pounds in some cars to 250 in others.

Philadelphia Drivers Scrub License Plates

Seventy-nine motorists in Philadelphia, Pa., were recently forced to alight from their cars, accept scrubbing brushes from a stern policeman and clean their dirty automobile license tags. Among the group were a number of prominent society folks.

It was part of a campaign to enforce the State traffic regulation that the number plates shall be visible fifty feet away.

Replacing Shackle

In replacing a shackle, thoroughly oil or grease the surface of the shaft, and if possible, rotate it as you replace it.

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